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Erratum 2: Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV



The CMS collaboration

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In the original paper, figure 10 was incorrect. The correct figure is shown below. Additionally, the unparticle entries in table 3, as well as figure 4 and 5 were labelled with incorrect values of Λ_U . The entries correctly correspond to $\Lambda_U = 1$ TeV.

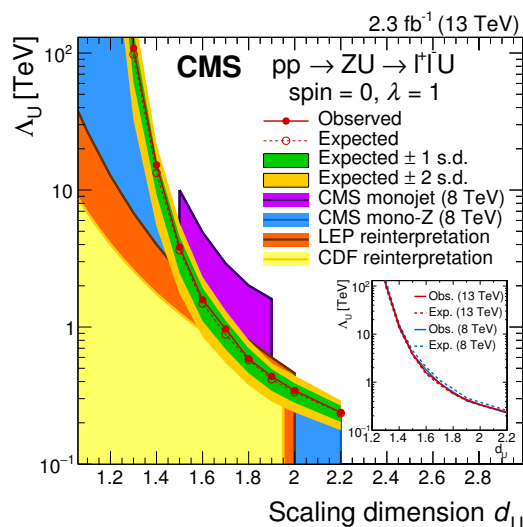


Figure 10. The 95% CL lower limits on the effective unparticle cutoff scale Λ_U for a fixed coupling $\lambda = 1$. The results from the CMS monojet [1] and mono-Z [2] searches, as well as a reinterpretation of LEP and CDF searches [3] are shown for comparison. The LEP results assume a coupling of unparticles to Z bosons and photons. The CDF (CMS) monojet result is based on a gluon-unparticle coupling operator (gluon- and quark-unparticle coupling operators). The inset compares the expected and observed limits for the CMS mono-Z analyses at $\sqrt{s} = 8$ and 13 TeV. Note that the cutoff scales Λ_U for different operators do not have to be identical. Consequently, the comparison shown here with the results other than the CMS 8 TeV mono-Z analysis is only qualitative.

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